

CLAIMS

What is claimed is:

- 1 1. A method for intercepting an event, the method comprising the
2 steps of:
3 generating an event by an application program interface;
4 transmitting said event to an intercept logic if event interception is
5 enabled;
6 determining if said event is to be processed by said intercept logic; and
7 processing said event.
- 1 2. The method of claim 1, further including the step of:
2 defining a plurality of events to be intercepted.
- 1 3. The method of claim 2, wherein the step of determining if said
2 event is to be processed by said intercept logic further includes the step of:
3 finding said event to be processed in said plurality of events to be
4 intercepted.
- 1 4. The method of claim 1, wherein said event is selected from the
2 group consisting of function calls and operating system calls.

1 5. The method of claim 1, wherein said processing said event
2 further includes the step of:
3 sending a message enabling said application program interface
4 processing of said event if said intercept logic cannot process said event.

1 6. The method of claim 1, wherein said transmitting said event to
2 an intercept logic step further includes the step of:
3 sending event to a generic interception communication interface, said
4 generic interception communication interface maintaining communication
5 between said application programming interface and said interface logic.

1 7. An event interception system for generic interception of events,
2 comprising:
3 means for generating an event;
4 means for processing said event;
5 means for intercepting said event;
6 means for transmitting said event to said intercepting means if event
7 intercepting is enabled; and
8 means for determining if said event is to be processed by said
9 intercepting means.

1 8. The event interception system of claim 7, further comprising:
2 means for defining a plurality of events to be intercepted.

1 9. The event interception system of claim 8, wherein the
2 determining if said event is to be processed means further comprises:
3 means for finding said event to be processed in said plurality of events
4 to be intercepted.

1 10. The event interception system of claim 7, wherein said event is
2 selected from the group consisting of function calls and operating system
3 calls.

1 11. The event interception system of claim 7, further comprising:
2 means for sending a message enabling said processing means to
3 process said event if said intercepting means cannot process said event.

1 12. The event interception system of claim 7, wherein said means
2 transmitting said event further comprises:
3 means for sending said event to a generic interception communication
4 interface, said generic interception communication interface maintaining
5 communication between said intercepting means and said processing means.

1 13. An event interception system for generic interception of events,
2 comprising:

3 an application program interface receiving a request for service, said
4 application program interface generating at least one event to complete said
5 request for service;

6 an intercept logic for processing an event; and

7 a generic interception communication interface for transferring said
8 event from said application program interface to said intercept logic if event
9 intercepting is enabled.

1 14. The event interception system of claim 13, wherein said
2 intercept logic defines a plurality of events to be intercepted

1 15. The event interception system of claim 14, wherein said
2 intercept logic process said event if said intercept logic finds said event to be
3 processed in said plurality of events to be intercepted.

1 16. The event interception system of claim 13, wherein said event is
2 selected from the group consisting of function calls and operating system
3 calls.

1 17. The event interception system of claim 13, wherein said
2 intercept logic process sends a message enabling said application

3 programming interface processing of said event if said intercept logic cannot
4 process said event.

1 18. The event interception system of claim 13, wherein said generic
2 interception communication interface maintains communication between said
3 application programming interface and said intercept logic.

1 19. A computer readable recording medium having a program for
2 generic event interception, said program product comprising:

3 a means for directing the event interception system to receive a request
4 for service;

5 a means for providing at least one event to complete a request for
6 service;

7 a means for processing said event;

8 a means for intercepting said event;

9 a means for defining a plurality of events to be intercepted by said
10 intercepting means;

11 a means for transmitting said event to said intercepting means if event
12 intercepting is enabled; and

13 a means for determining if said event is to be processed by said
14 intercepting means.

1 20. The computer readable medium of claim 19, wherein the means
 2 for determining if said event is to be processed by said intercepting means
 3 includes:
 4 a first routine means, responsive to the means for defining a plurality
 5 of events to be intercepted, for finding said event to be processed in said
 6 plurality of events to be intercepted.